WRITE-MANY
MEMORY DEVICE WITH SIDEBAND FIELDS
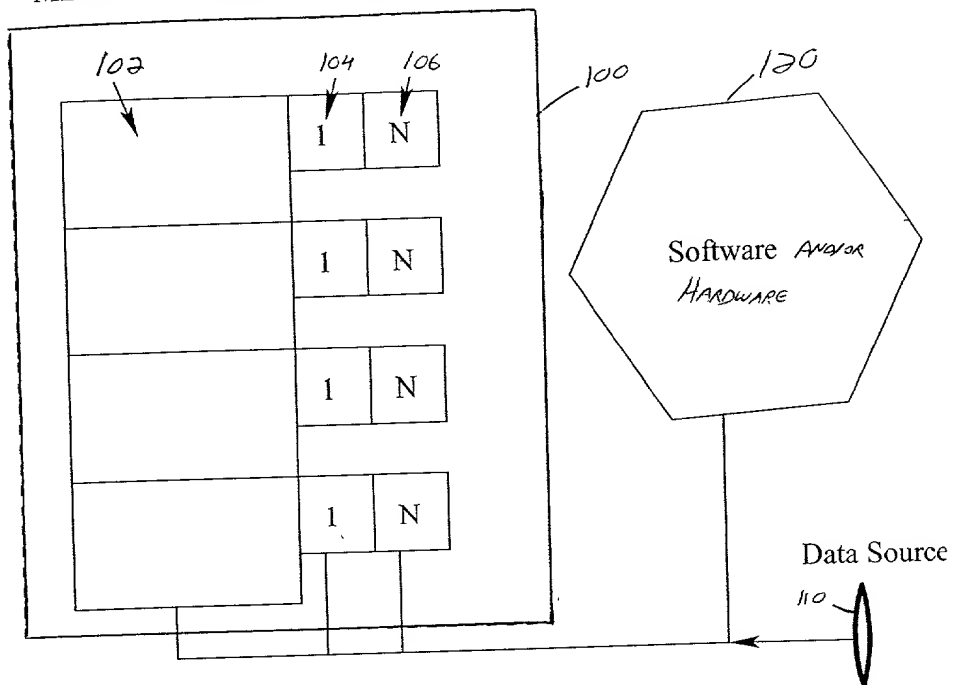

Figure 1
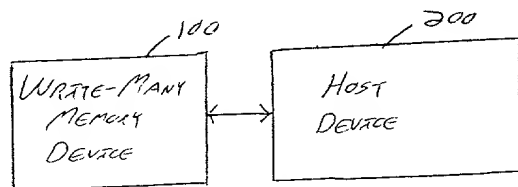

Figure 2

INSERT MEMORY DEVICE INTO HOST DEVICE — 300

305
HOW MUCH SPACE IS FREE?

QUERY loop — 310

| NOT FREE NOT MAX |
| NOT FREE MAX |
| FREE NOT MAX |
| FREE MAX |

320
WAIT FOR INPUT

YES

315
IS ENOUGH FREE?

NO

325
NEW DATA AVAILABLE?

NO

YES

340
CREATE FREE SPACE?

NO

345
MEMORY DEVICE FULL

360
CAN NOT ERASE FILE (or free up space in this area)

YES

350
CHOOSE FILE TO ERASE

330
STORE DATA IN FREE BLOCKS AND DEALLOCATE SPACE

335
CLEAR FREE BIT AND UPDATE COUNT FIELD IN EACH BLOCK USED

365 FILE CHOSEN TO ERASE IS:

ONLY ON FIELDS NOT AT MAX

PARTIALLY ON MAX PARTIALLY NOT MAX

355
ONLY ON FIELDS AT MAX

375

380
INDICATOR: ONLY X DATA AVAILABLE BY ERASING THIS LOCATION
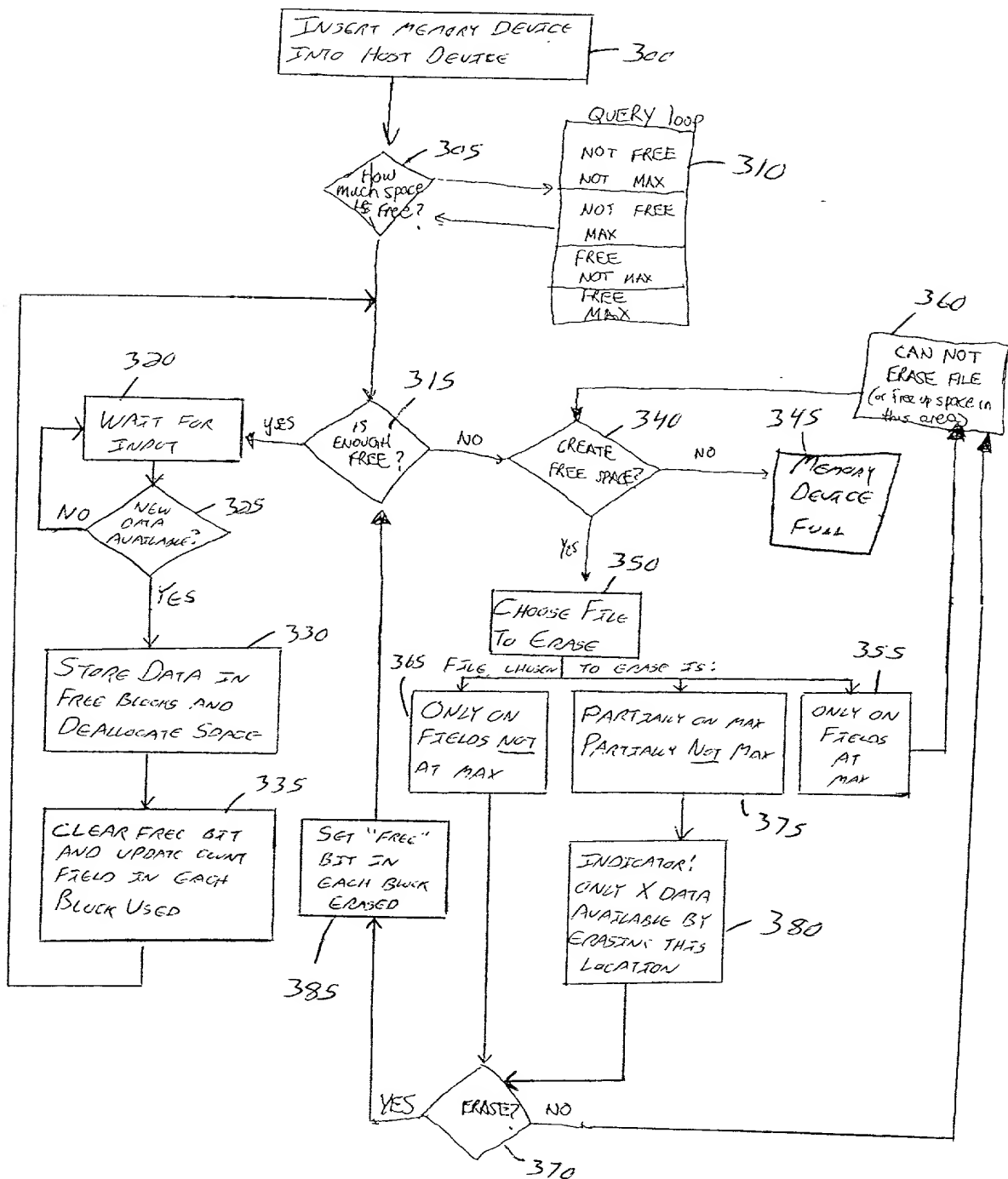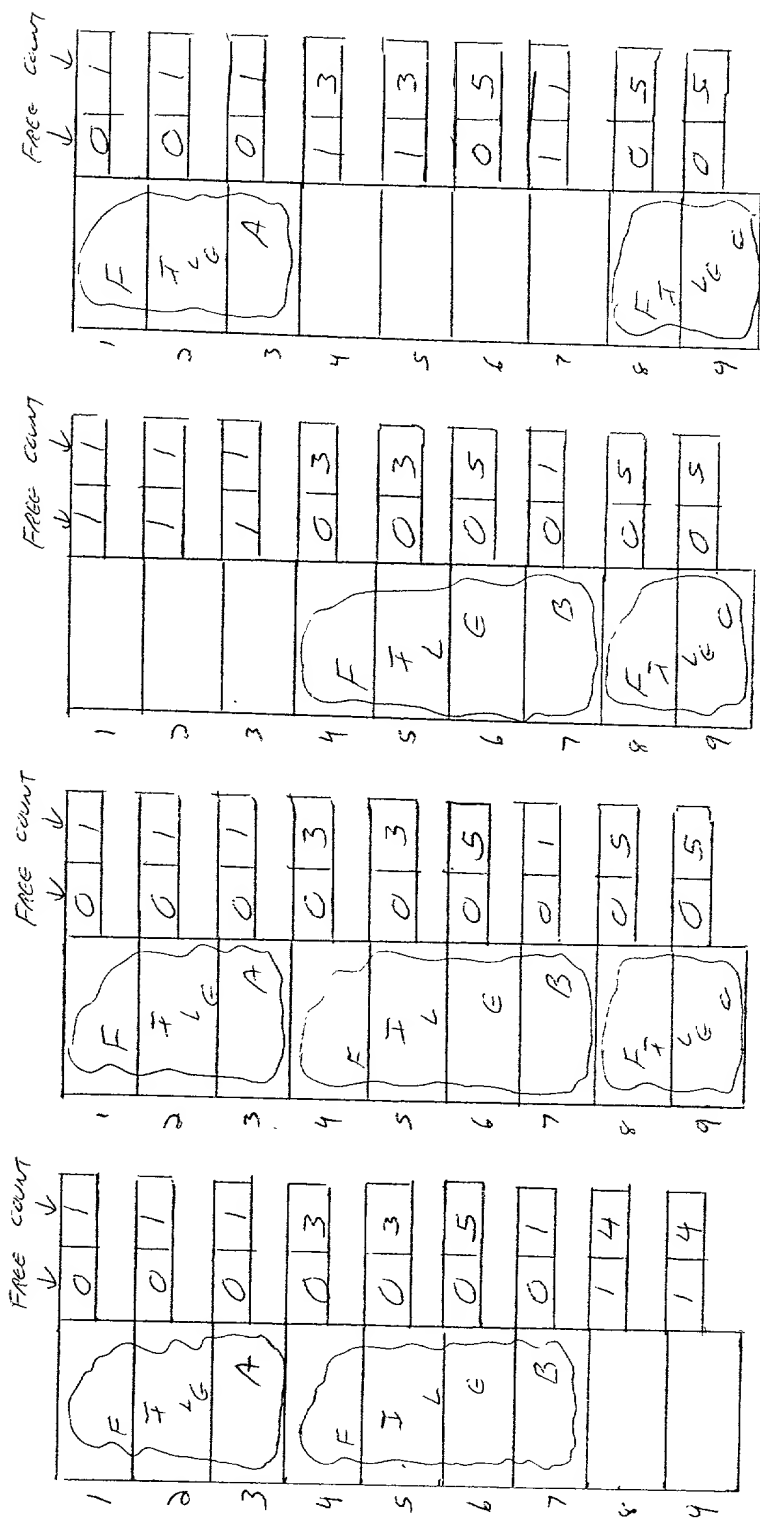
SET "FREE" BIT IN EACH BLOCK ERASED

385

YES   ERASE?   NO
370

FIGURE 3

FIGURE 4D

FIGURE 4C

FIGURE 4B

FIGURE 4A